

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #25—October 29, 2007**

**Work Completed: October 18-October 24, 2007**

- Completed modification and reinforcement of the turbidity curtain at Removal Area 7.
- Continued dewatering at the Phase 1 Cofferdam Area. Continued operating the 500 gallon per minute treatment system.
- Continued excavating soil and sediment from the Phase 1 Cofferdam Area.
- Continued loading and transporting solidified non-TSCA material from Staging Areas 3S and 5S to Allied Waste's C&C landfill in Marshall, Michigan. Continued solidifying excavated soil and sediment from the Phase 1 Cofferdam Area at Staging Area 5S.
- Continued surveying and performing sampling and analysis of excavated portions of Removal Area 7 and the Phase 1 Cofferdam Area.
- Continued constructing the water control structure near the Plainwell Dam. Work consisted primarily of template construction and installation of H-piles.
- Continued grading and post-excavation activities at Upland Area 6B1.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.
- Conducted a project Stakeholders Meeting on Tuesday, October 23, 2007. Representatives from the USEPA, MDEQ, MDNR, KRSG, ARCADIS, and Terra Contracting were present.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	20	10	700	20
Total to Date	2,345	67	19,810	566

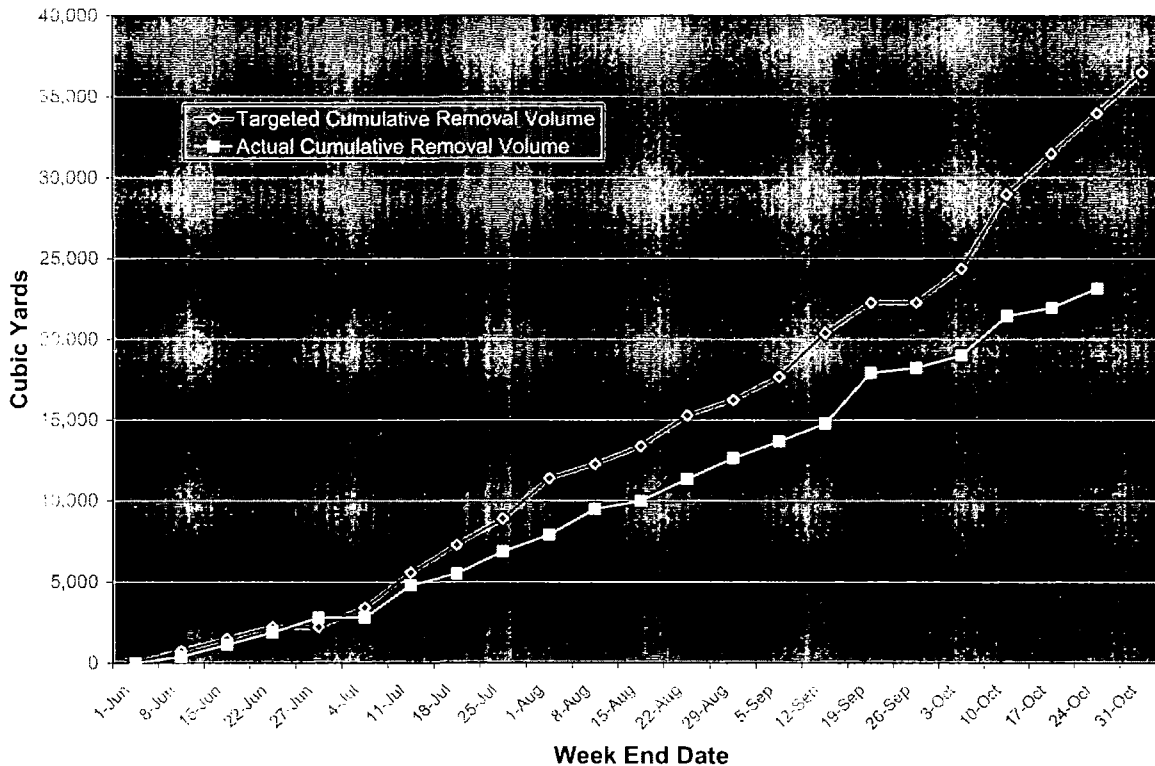
\*\* All values are unofficial, estimated quantities, subject to revision/verification.



***Work Planned: October 25-October 31, 2007***

- Begin excavating soil and sediment at Removal Area 7.
- Continue dewatering at the Phase 1 Cofferdam Area. Continue operating the 500 gallon per minute treatment system.
- Continue excavating soil and sediment from the Phase 1 Cofferdam Area.
- Continue loading and transporting solidified non-TSCA material from Staging Areas 3S and 5S to Allied Waste's C&C landfill in Marshall, Michigan. Continue solidifying excavated soil and sediment from the Phase 1 Cofferdam Area at Staging Area 5S.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Area 7 and the Phase 1 Cofferdam Area.
- Complete template construction at the water control structure, and continue to install H-piles.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

## Removal Progress

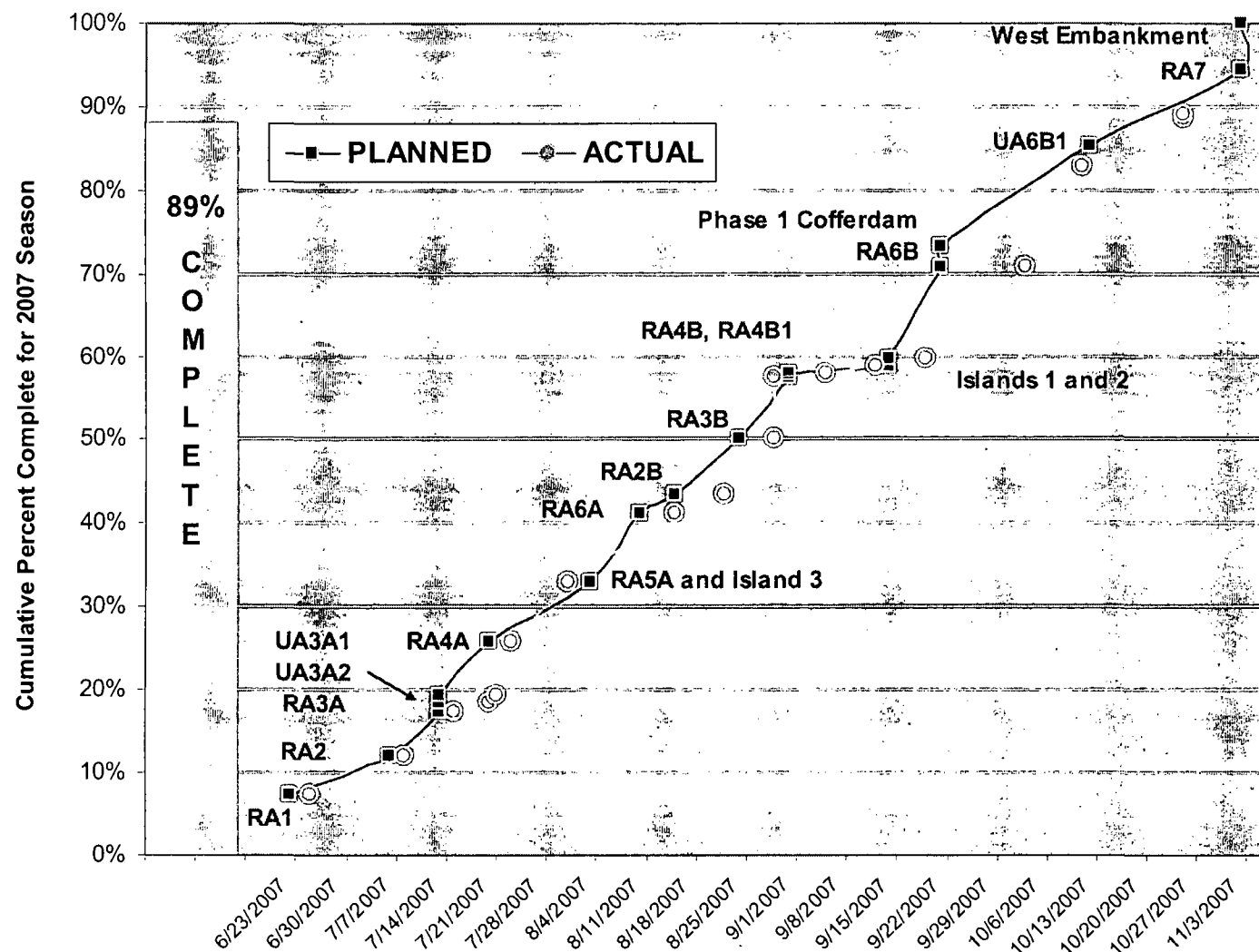


### Notes

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

# Removal Progress



***Health & Safety Update***

- 4 Loss Prevention Observations (LPOs) were completed this week.  
A total of 74 LPOs have been completed for the project to date.
- At the request of the project team, Consumers Energy has temporarily de-energized the overhead power lines at the Plainwell Dam to enhance the safety and productivity of excavation activities at the Phase 1 Cofferdam Area.

***Weather Summary***

- Rain and inclement weather made the landfill unavailable for waste disposal activities on October 23 and 24, 2007.

***Environmental Monitoring and Construction Quality Assurance Testing***

**Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Dewatering System Discharge Monitoring:**

Discharge Flow: 851,000 gallons  
Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Excavation Verification Sampling:**

Testing Performed this Week? No ☒ Yes ☐ in Removal Area(s):  
Cleanup Standard Achieved? N/A ☒ Yes ☐ No ☐ If no, explain:

***Issues Encountered/Solutions Advanced***

- None.

**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #25  
Page 6 of 9**

***Equipment on Site***

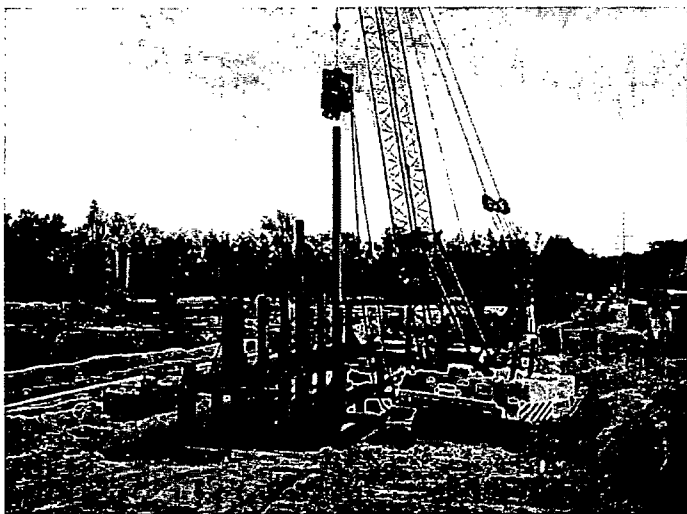
<b>Equipment</b>	<b>10/18/07</b>	<b>10/19/07</b>	<b>10/20/07</b>	<b>10/21/07</b>	<b>10/22/07</b>	<b>10/23/07</b>	<b>10/24/07</b>
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	2	2	2	2	2	2	2
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Komatsu D65 Dozer	1	1	1	1	1	1	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
Burcyus Cable 40-ton Crane (King)	1	1	1	1	1	1	1
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #25  
Page 7 of 9**

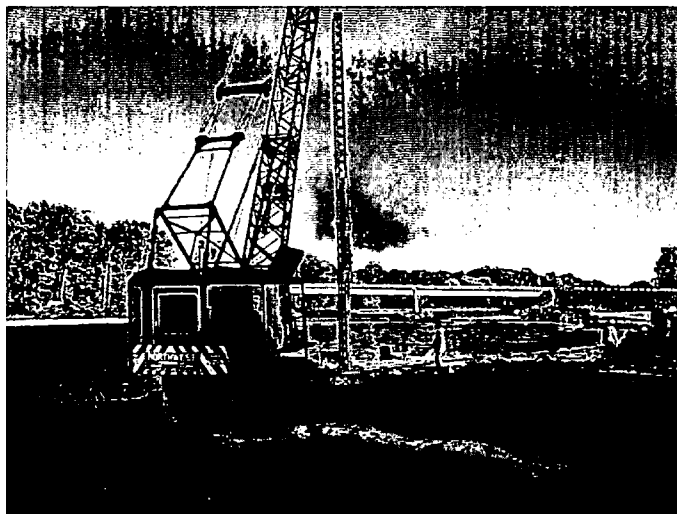
**Personnel, Regulatory Staff, and Visitors on Site**

Individual/Affiliation	10/18/07	10/19/07	10/20/07	10/21/07	10/22/07	10/23/07	10/24/07
Terra Contracting Staff	20	20	12	8	20	15	15
Sam Borries/USEPA OSC						X	
Mike Ribordy/USEPA OSC						X	
Daria Devantier/MDEQ						X	
Paul Bucholtz/MDEQ		X			X	X	
John Bradley/MDEQ							
John Lerg/MDNR						X	
Weston Contractors	1	1			1	1	1
CDM Contractors		1					1
Chase Fortenberry/KRSG					X	X	
Paul Montney/KRSG					X	X	
Mark Tapp/KRSG					X	X	
Mark Brown/KRSG						X	
Steve Garbaciak/ARCADIS BBL						X	
Steve Montagna/ARCADIS BBL							X
Adam Chwalibog/ARCADIS BBL	X	X			X	X	X
Eric Hritsuk/ARCADIS BBL							X
Rich Price/ARCADIS BBLES					X	X	X
Matt Bowman/ARCADIS BBLES		X			X	X	
EJ Suardini/ARCADIS BBLES	X	X			X	X	X
Mike Kohagen/ARCADIS BBLES	X	X	X	X	X	X	X
Mark Otto/ARCADIS BBLES	X				X	X	X
Michelle Rumler/ARCADIS BBL	X	X	X		X	X	X
Joe Willoughby/ARCADIS BBLES	X				X	X	X
Nick Harmer/ARCADIS BBL	X						
<i>Other Subcontractors (Specify)</i>							
Schrader (Treatment System)	1	1	1		1	1	1
King Construction (WCS/cofferdam)	4	4			4	4	4

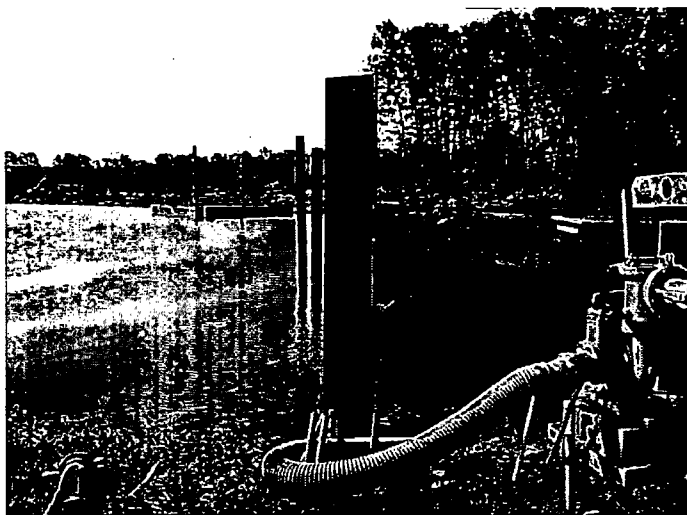
*Photos from Week #25*



*Installing H-piles for the water control structure.*



*Installing turbidity control measures at the upstream end of Removal Area 7.*



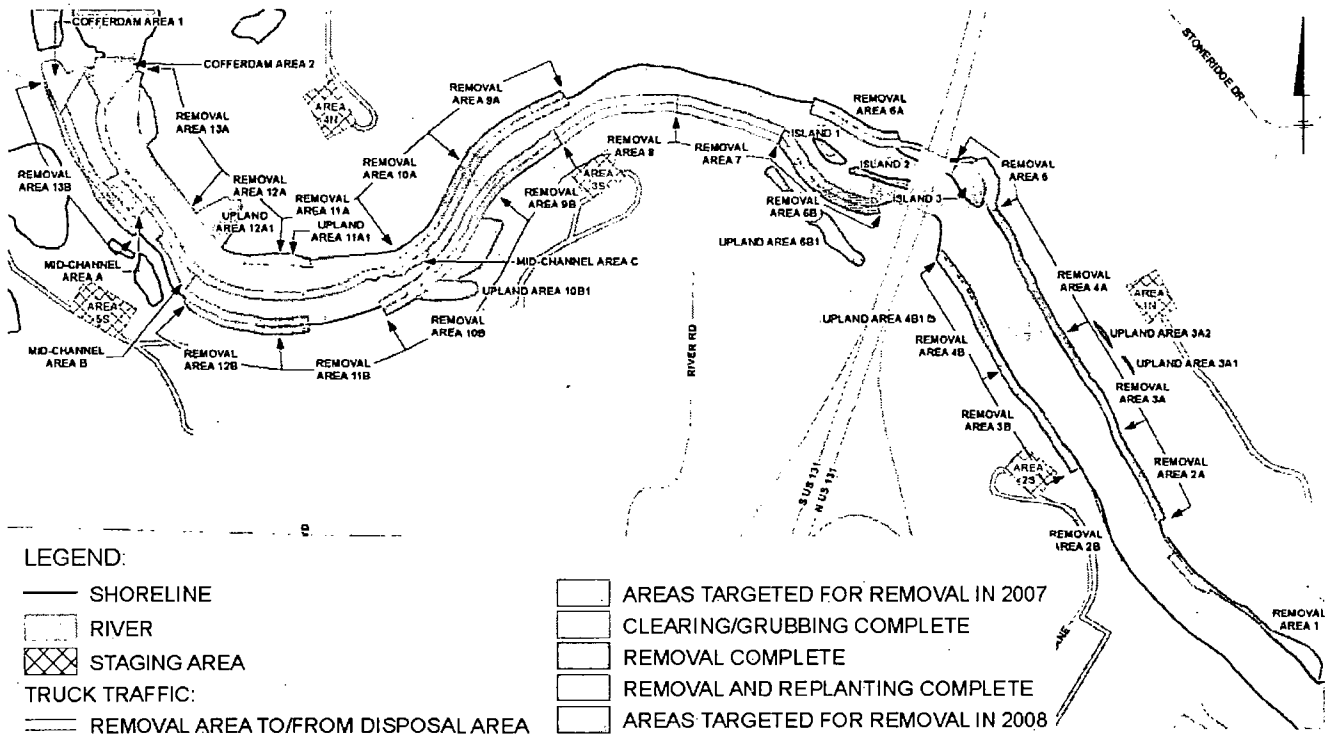
*Dewatering activities at the Phase 1 Cofferdam Area. Note the difference in the water levels on the right (inside the cofferdam) and on the left (the river outside the cofferdam wall). The object in the background is the barge used during construction of the cofferdam.*



*A site tour during the Stakeholders Meeting in the areas upstream of the Route 131 Bridge.*



**Targeted Removal Areas—Former Plainwell Impoundment**



All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.